

# KENTUCKY PUBLIC SERVICE COMMISSION

RECEIVED

## Electric Distribution Utility Annual Reliability Report APR 05 2011

### SECTION 1: CONTACT INFORMATION

PUBLIC SERVICE  
COMMISSION

UTILITY NAME	1.1	FARMERS RURAL ELECTRIC COOP
REPORT PREPARED BY	1.2	TONY WELLS
E-MAIL ADDRESS OF PREPARER	1.3	twells@farmersrecc.com
PHONE NUMBER OF PREPARER	1.4	(270) 651-2191

### SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2.1	2010
-------------------------	-----	------

### SECTION 3: MAJOR EVENT DAYS

$T_{MED}$	3.1	20.15
FIRST DATE USED TO DETERMINE $T_{MED}$	3.2	1/1/05
LAST DATE USED TO DETERMINE $T_{MED}$	3.3	12/31/09
NUMBER OF MED IN REPORT YEAR	3.4	1

NOTE: Per IEEE 1366  $T_{MED}$  should be calculated using the daily SAIDI values for the five prior years. If five years of data are not available, then utilities should use what is available until five years are accumulated.

### SECTION 4: SYSTEM RELIABILITY RESULTS

Excluding MED

SAIDI	4.1	250
SAIFI	4.2	1.95
CAIDI	4.3	128

Including MED (Optional)

SAIDI	4.4	275
SAIFI	4.5	2.02
CAIDI	4.6	136

#### Notes:

- 1) All duration indices (SAIDI, CAIDI) are to be reported in units of minutes.
- 2) Reports are due on the first business day of April of each year
- 3) Reports cover the calendar year ending in the December before the reports are due.
- 4) IEEE 1366 (latest version) is used to define SAIDI, SAIFI, CAIDI, and  $T_{MED}$

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

### SECTION 5: OUTAGE CAUSE CATEGORIES

Excluding MED

CAUSE CODE DESCRIPTION	SAIDI VALUE	CAUSE CODE DESCRIPTION	SAIFI VALUE	
Lightning	5.1.1	71.6	Cause unknown	0.67
Cause unknown	5.1.2	70.5	Lightning	0.45
Tree failure off R/W	5.1.3	34.7	Equipment fault/failure	0.18
Weather, other	5.1.4	21.0	Tree growth	0.14
Maintenance	5.1.5	17.6	Weather, other	0.13
Wind, not trees	5.1.6	17.1	Small animal/bird	0.08
Equipment fault/failure	5.1.7	8.8	Tree failure off R/W	0.06
Tree growth	5.1.8	5.9	Construction	0.05
Customer-caused	5.1.9	2.4	Maintenance	0.04
Small animal/bird	5.1.10	2.0	Wind, not trees	0.03

### SECTION 6: WORST PERFORMING CIRCUITS

CIRCUIT IDENTIFIER	SAIDI VALUE	MAJOR OUTAGE CATEGORY
(2) MUNFORDVILLE 02-03	6.1.1 815	Unknown
(2) MUNFORDVILLE 02-06	6.1.2 744	Weather
(1) GOODNIGHT 01-01	6.1.3 545	Weather
(4) KNOBLICK 04-04	6.1.4 434	Equipment
(5) BECKTON 05-04	6.1.5 403	Weather
(4) KNOBLICK 04-05	6.1.6 340	Unknown
(10) WEST GLASCOW 10-01	6.1.7 255	Weather
(2) MUNFORDVILLE 02-01	6.1.8 231	Weather
(1) GOODNIGHT 01-04	6.1.9 226	Unknown
(7) PARKWAY 07-04	6.1.10 116	Trees off Right of Way

CIRCUIT IDENTIFIER	SAIFI VALUE	MAJOR OUTAGE CATEGORY
(1) GOODNIGHT 01-04	6.2.1 4.41	Unknown
(2) MUNFORDVILLE 02-06	6.2.2 2.42	Weather
(1) GOODNIGHT 01-01	6.2.3 2.35	Weather
(2) MUNFORDVILLE 02-01	6.2.4 1.95	Weather
(4) KNOBLICK 04-05	6.2.5 1.80	Unknown
(10) WEST GLASCOW 10-01	6.2.6 1.58	Weather
(11) SEYMOUR 11-03	6.2.7 1.41	Weather
(5) BECKTON 05-04	6.2.8 1.30	Weather
(7) PARKWAY 07-04	6.2.9 1.27	Trees off Right of Way
(2) MUNFORDVILLE 02-03	6.2.10 1.14	Unknown

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

---

Additional pages may be attached as necessary  
SECTION 7: VEGETATION MANAGEMENT PLAN REVIEW

### Farmers RECC Vegetation Management Plan for 2011

Here at Farmers RECC we are always committed to provide safe reliable service for our members. In 2011 we will continue our contracts with Environmental Consultants Inc. (ECI) and A & G Tree Service. ECI will continue to help manage our right-of way program in our second year cycle of right-of-way maintenance. This year we have prioritized nine circuits out of seven subs to be cleared by A & G Tree Service for a total of 631 miles of line clearing.

They are listed as follows:

- Goodnight: CKT 2
- Munfordville: CKT 2
- Knob Lick: CKT 4
- Cave City: CKT 1, CKT 2
- J.B. Galloway: CKT 2
- Seymour: CKT 2, CKT 4
- Fox Hollow: CKT 2

Currently A & G Tree Service has six circuit crews and two hourly crews to take care of the hot spots throughout the system.

In 2011 Farmers RECC has contracted a herbicide management program with Osmose. Currently, four subs and six circuits have been identified for this years' spray cycle, for a total of 543 miles.

They are listed as follows:

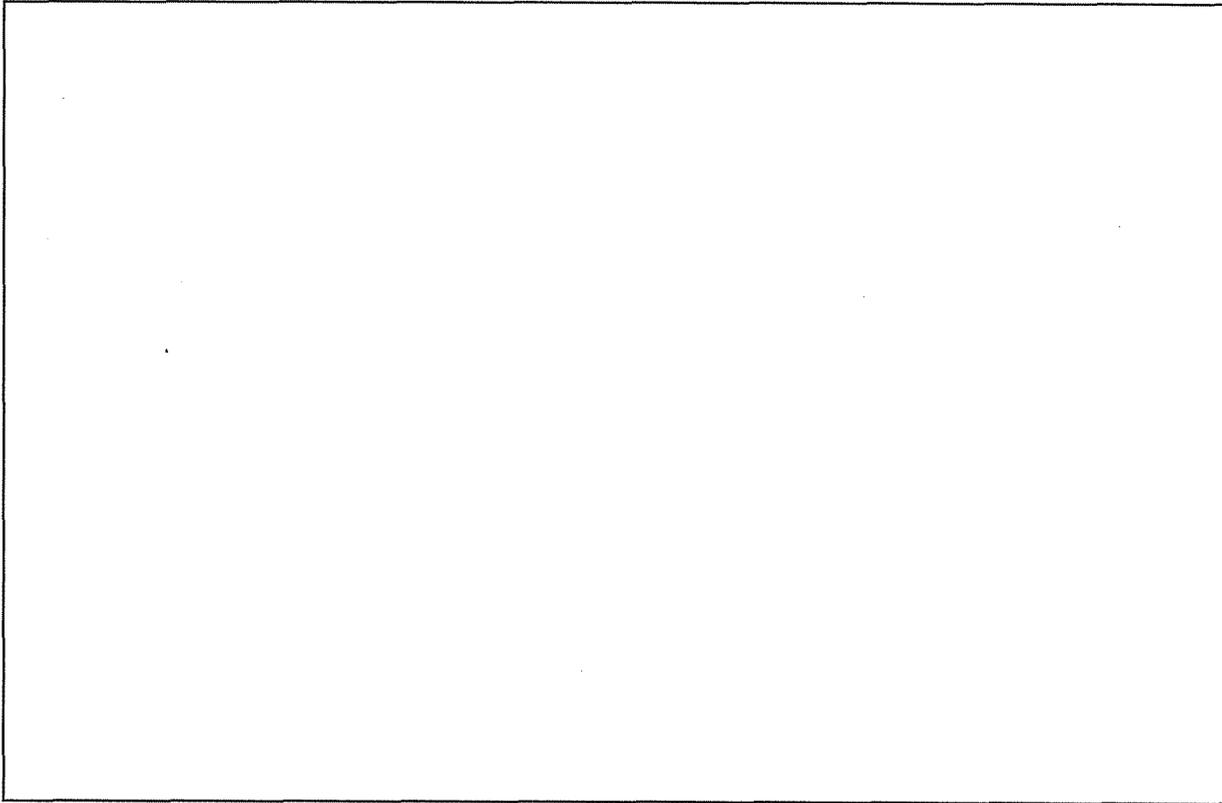
- \* Munfordville: CKT 5, CKT 3
- \* Knob Lick: CKT 2
- \* Beckton: CKT 2
- \* Bonnieville: CKT 1, CKT 2

In implementing this 2011 Vegetation Management Plan, Farmers RECC can provide a safe reliable service for its members.

Terry Jeffries  
Vice-President  
Service and Maintenance

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 8: UTILITY COMMENTS

A large, empty rectangular box with a thin black border, occupying the upper half of the page. It is intended for utility comments.